

PRESS INFO

biolitec AG
Untere Viaduktgasse 6/9
A-1030 Wien

New: Minimally invasive thoracic and bronchial surgery with multifunctional LEONARDO® laser from biolitec®

Minimally invasive LEONARDO® DUAL diode laser from biolitec® optimally designed for minimally invasive interventions in the bronchial tubes – Combination of two wavelengths with high ablation rates and simultaneously low and elastic coagulation zone – Significant reduction of intra- and postoperative side effects – biolitec® from May 31 - June 3, 2020 at the 28th ESTS (European Society of Thoracic Surgeons) Meeting in The Hague

Jena, 03rd March, 2020 – The multifunctional LEONARDO® DUAL diode laser system from the laser and fiber developer and manufacturer biolitec® is extremely well designed for use in minimally invasive interventions in the field of thoracic surgery and pneumology. Especially during bronchial surgery, coagulation and ablation can be performed simultaneously in the case of endobronchial tumors and stenoses. Furthermore, the removal of bronchial obstructions and fistulas as well as the separation of tracheal stenoses is possible. These procedures can be performed with fixed or flexible bronchoscopes.

The **LEONARDO® DUAL 100** from biolitec® is the only laser system on the market that works with two wavelengths. The LEONARDO® lasers can be used both in open surgery and for laser-assisted VATS / Uniportal VATS. During surgery, the wavelengths 980 nm and 1470 nm can be combined with each other. Thus, their advantages (excellent hemostasis and optimized cutting and vaporization properties) are used simultaneously and a dry, smooth and, above all, dense resection surface is achieved.

The high ablation rates caused by the combination of the two wavelengths with simultaneously a low and elastic coagulation zone minimise intra- and postoperative side effects and the outflow rate considerably, even in lung and tumor tissues. As a result, postoperative drainage can generally be removed earlier than usual. Another major advantage of the tissue-conserving LEONARDO® laser therapy of biolitec® is that multiple, deep and centrally located tumors and metastases can be treated.

With the LEONARDO® diode laser system, the user receives a tool that can be used multidisciplinary for a variety of surgical applications. It is easy to set up (e.g. no additional external cooling or high voltage is required), safe, user-friendly and features low maintenance costs. Further information is available at www.biolitec.com/thoracic-surgery/. **Visit us also from 31 May - 3 June 2020 at our booth no. 6 at the 28th ESTS (European Society of Thoracic Surgeons) Meeting in The Hague.**

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About the company:

biolitec® is one of the world's leading medical technology companies in the field of minimally invasive laser applications and is offering in the field of photodynamic therapy (PDT) the laser-assisted treatment of cancer with the drug Foscan®, registered in the EU. Since 1999, biolitec® is focused on the development of minimally invasive, gentle laser procedures. The unique **LEONARDO® diode laser** from biolitec® is the first universally applicable medical laser with a combination of two wavelengths, 980 nm and 1470 nm, which can be used in all disciplines. ELVeS® Radial® (ELVeS® = Endo Laser Vein System) is the world's most common laser system for treating venous insufficiency. In proctology, biolitec® offers a maximum sphincter-sparing therapy for anal fistulas as well as treatment options for hemorrhoids and pilonidal cysts. In urology, the range of therapies has expanded from benign prostate hyperplasia (BPH) to bladder and prostate tumors. The LEONARDO® Mini laser, which weighs only 900 g, has been specially developed for mobile applications. Gentle laser applications in the fields of gynecology, ENT, thoracic surgery and pneumology, esthetics, and orthopedics are also part of biolitec®'s business field. Further information is available at www.biolitec.com.

Press contact

biolitec®
Jörn Gleisner
Phone: +49 (0)3641 / 5195336
Fax: +49 (0)6172/27159-69
E-mail: joern.gleisner@biolitec.com